

IMAGE SIGNAL PROCESSING APPARATUS AND METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

5

An image signal processing apparatus and a method thereof capable of preventing erroneous detection and performing IP conversion at a high accuracy, comprising deciding a function for expressing a moving quantity by
10 an absolute value of a difference of two data, finding a larger value of a moving quantity of data of a pixel A in the present field at the same position as a pixel R whose motion is to be detected and data of a pixel D at the same position after a two-field delay, a moving quantity
15 of data of a pixel B after a one-field delay one line above the pixel R and data of a pixel E at the same position after a three-field delay, and a moving quantity of data of a pixel C after a one-field delay one line below the pixel R and data of a pixel F at the same
20 position after a three-field delay and a larger value of a moving quantity of data obtained by intra-field interpolation from pixels B and C and data of the pixel D and a moving quantity of the data of the pixel A and D, and using the smaller one of the two larger values as the
25 moving quantity of the pixel R.